

**Table 1. Summary Renewable Electric Power Industry Statistics (2008)**

**California**

Primary Renewable Energy Capacity Source	Hydro Conventional	
Primary Renewable Energy Generation Source	Hydro Conventional	
<b><u>Capacity (megawatts)</u></b>	<b><u>Value</u></b>	<b><u>Percent of State Total</u></b>
<b>Total Net Summer Electricity Capacity</b>	<b>64,105</b>	<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>15,945</b>	<b>24.9</b>
Geothermal	1,940	3.0
Hydro Conventional	10,122	15.8
Solar	416	0.6
Wind	2,368	3.7
Wood/Wood Waste	616	1.0
MSW/Landfill Gas	374	0.6
Other Biomass	109	0.2
<b><u>Generation (thousand megawatthours)</u></b>		
<b>Total Electricity Net Generation</b>	<b>207,984</b>	<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>48,912</b>	<b>23.5</b>
Geothermal	12,883	6.2
Hydro Conventional	24,128	11.6
Solar	670	0.3
Wind	5,385	2.6
Wood/Wood Waste	3,484	1.7
MSW Biogenic/Landfill Gas	1,717	0.8
Other Biomass	645	0.3

**Notes:** Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

**Sources:** Capacity: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

**Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)**

**California**

<b>Energy Source</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Fossil	34,900	38,120	39,351	39,961	39,950
Coal	389	389	389	389	367
Petroleum	838	840	789	754	752
Natural Gas	33,438	36,700	38,001	38,556	38,635
Other Gases	235	191	171	262	197
Nuclear	4,324	4,324	4,390	4,390	4,390
Renewables	15,386	15,567	15,776	15,774	15,945
Pumped Storage	3,688	3,688	3,688	3,688	3,813
Other	8	8	8	-	7
<b>Total</b>	<b>58,306</b>	<b>61,707</b>	<b>63,213</b>	<b>63,813</b>	<b>64,105</b>

- = No data reported.

**Notes:** Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

**Source:** U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)**

**California**

<b>Energy Source</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Geothermal	1,956	2,046	2,032	1,940	1,940
Hydro Conventional	10,078	10,088	10,083	10,041	10,122
Solar	390	402	402	404	416
Wind	2,023	2,052	2,255	2,312	2,368
Wood/Wood Waste	591	577	584	596	616
MSW/Landfill Gas	255	258	275	380	374
Other Biomass	93	145	145	102	109
<b>Total</b>	<b>15,386</b>	<b>15,567</b>	<b>15,776</b>	<b>15,774</b>	<b>15,945</b>

**Notes:** Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

**Source:** U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2004 - 2008**  
(Thousand Megawatthours)

**California**

<b>Energy Source</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Fossil	106,789	100,313	112,317	122,151	125,699
Coal	2,238	2,135	2,235	2,298	2,280
Petroleum	2,263	2,544	2,368	2,334	1,742
Natural Gas	100,222	93,354	105,691	115,700	119,992
Other Gases	2,066	2,280	2,022	1,818	1,685
Nuclear	30,268	36,155	31,959	35,792	32,482
Renewables	58,112	63,286	71,963	52,173	48,912
Pumped Storage	-817	120	96	310	321
Other	429	420	464	421	570
<b>Total</b>	<b>194,780</b>	<b>200,293</b>	<b>216,799</b>	<b>210,848</b>	<b>207,984</b>

**Notes:** Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

**Sources:** U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2004 - 2008**  
(Thousand Megawatthours)

**California**

<b>Energy Source</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Geothermal	13,105	13,023	12,821	12,991	12,883
Hydro Conventional	34,141	39,632	48,047	27,328	24,128
Solar	571	537	495	557	670
Wind	4,306	4,262	4,883	5,585	5,385
Wood/Wood Waste	3,827	3,609	3,422	3,407	3,484
MSW Biogenic/Landfill Gas	1,565	1,594	1,685	1,657	1,717
Other Biomass	597	629	610	648	645
<b>Total</b>	<b>58,112</b>	<b>63,286</b>	<b>71,963</b>	<b>52,173</b>	<b>48,912</b>

**Notes:** Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

**Sources:** U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.